

APPENDIX E

VARIANCES TO SITE-SPECIFIC FIELD SAMPLING PLAN



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

Variance No: PARCEL137Q-XJULY2002.VR01

Linked w/NC No:

X

Date of Issue: 7-16-02

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Project Name: **Fort McClellan – CK10**

Project Number: 796887.11020300

-Variance Report -

I. Description: (by the person identifying the change)

FINAL SITE-SPECIFIC FIELD SAMPLING PLAN, FORMER 81 MILLIMETER MORTAR RANGE, PARCEL 137Q-X

The Final Site-Specific Field Sampling Plan (FSSFSP) proposed a surface soil sample, subsurface soil sample, and groundwater sample at sample location HR-137Q-MW03. Permanent residuum monitoring well HR-137Q-MW03 was moved approximately 80 feet northwest of direct-push soil boring location HR-137Q-MW03. A groundwater sample was not collected from monitoring well HR-137Q-MW03.

Identified by: Jeffrey J. Tarr, PG – IT Site Manager

Date: 7-16-02

II. Justification for Variance:

The FSSFSP proposed sample location HR-137Q-MW03 approximately 75 feet northwest and downgradient of a trench and pit. Permanent residuum monitoring well HR-137Q-MW03 was not installed at its proposed location because competent bedrock was encountered at approximately 22 feet below ground surface (bgs) and groundwater was not present. Several attempts were made to install the well, but competent bedrock was encountered. Therefore, a decision was made to move the well approximately 80 feet further northwest and downgradient of the direct-push soil boring location HR-137Q-MW03. Competent bedrock was encountered at approximately 25 feet bgs after the well was relocated and groundwater was not present. A decision was made to install the well on top of competent bedrock at that location with the intent of having groundwater enter the well screen during periods of heavy rainfall. During groundwater sampling activities groundwater was present, but not enough to collect a sample. Currently, this well is being monitored for the presence of groundwater. Should the well contain groundwater, a sample will be collected for chemical analysis.

III. Applicable Document/Work Plan: (by the person identifying the change)

Final Site-Specific Field Sampling Plan, Site-Specific Safety and Health Plan, and Site-Specific Unexploded Ordnance Safety Plan Attachments; Former 81 mm Mortar Range, Parcel 137Q-X, Fort McClellan, Calhoun County, Alabama, April 2002.

Distribution List:

1. Jeanne Yacoub, IT Project Manager
2. Steve Moran, IT Technical Lead
3. Jeffrey Tarr, IT Site Manager
4. Randy McBride, IT QA Officer
5. Mr. Ellis Pope, US Army Corps of Engineers
6. Mr. Ross McCollum, US Army Corps of Engineers

- Signatures -

Requested by: Jeffrey Tarr, PG - IT Site Manager 7-16-02
Date

Approved by: COE [Signature] 7/17/02
Date

Project Manager Approval: [Signature] 8/12/02
Date

QA Approval: [Signature] 08-05-02
Date



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

Variance No: PARCEL137Q-XFEBRUARY2003.VRI

Linked w/NC No: x

Date of Issue: 2-13-03

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Project Name: Fort McClellan - CK10

Project Number: 796887.11020300

-Variance Report -

I. Description: (by the person identifying the change)

FINAL SITE-SPECIFIC FIELD SAMPLING PLAN, FORMER 81MM MORTAR RANGE, PARCEL 137Q-X.

The Final Site-Specific Field Sampling Plan (FSSFSP) proposed a surface water sample and sediment sample at sample locations HR-137Q-SW/SD01, HR-137Q-SW/SD02, HR-137Q-SW/SD03, HR-137Q-SW/SD04, and HR-137Q-SW/SD05. Surface water and sediment samples were not collected at these locations. Depositional soil samples HR-137Q-DEP02, HR-137Q-DEP03, HR-137Q-DEP04, HR-137Q-DEP05, and HR-137Q-DEP06 were collected at these locations, respectively.

Identified by: Nicole Badon, Geologist

Date: 2-13-03

II. Justification for Variance:

The FSSFSP proposed a surface water sample and sediment sample at sample locations HR-137Q-SW/SD01, HR-137Q-SW/SD02, HR-137Q-SW/SD03, HR-137Q-SW/SD04, and HR-137Q-SW/SD05. Sample location HR-137Q-SW/SD01 was proposed in the eastern intermittent stream, south of the site investigation area and up-slope of a trench and scattered debris. Sample location HR-137Q-SW/SD02 was proposed in the eastern intermittent stream, north and down-slope of the trench. Sample location HR-137Q-SW/SD03 was proposed in the western intermittent stream, south and up-slope of the trench. Sample location HR-137Q-SW/SD04 was proposed in the western intermittent stream, north and down-slope of the trench. Sample location HR-137Q-SW/SD05 was proposed in the northern portion of the site at the convergence of the east and west intermittent stream channels. However, surface water and sediment were not present at any of these locations during sample collection. Therefore, depositional soil samples HR-137Q-DEP02, HR-137Q-DEP03, HR-137Q-DEP04, HR-137Q-DEP05, and HR-137Q-DEP06 were collected at each respective location to determine the presence or absence of contamination. This variance will not alter the scope or intent of the Site Investigation at Parcel 137Q-X.

III. Applicable Document/Work Plan: (by the person identifying the change)

Final Site-Specific Field Sampling Plan, Site-Specific Safety and Health Plan, and Site-Specific Unexploded Ordnance Safety Plan
Attachments: Former 81mm Mortar Range, Parcel 137Q-X, Fort McClellan, Calhoun County, Alabama, April 2002.

Distribution List:

1. Jeanne Yacoub, IT Project Manager
2. Steve Moran, IT Technical Lead
3. Jeffrey Tarr, IF Site Manager
4. Randy McBride, IF QA Officer
5. Mr. Lee Coker, US Army Corps of Engineers
6. Mr. Darryl Stabile, US Army Corps of Engineers

Requested by: Jeffrey Tarr, PG - IF Site Manager 2-13-2003

Approved by: Lee Coker 2-19-03

Project Manager Approval: Jeanne Yacoub 2-19-03

QA Approval: Randy McBride 2-17-03